

HU:MGSDVRDLNALLPAVPSLGGGGGCALPVSGAAQWAPVLDFAAPPASAYGSL
MO:MGSDVRDLNALLPAVSSLGGGGGCGLPVSGAAQWAPVLDFAAPPASAYGSL

HU:GGPAPPPAPPPPPPPPPHSHFIKQEPSWGGAEPHEEQCLSAFTVHFSGQFTGTAG
MO:GGPAPPPAPPPPPPPPPHSHFIKQEPSWGGAEPHEEQCLSAFTLHFSGQFTGTAG

HU:ACRYGPFPGPPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQGYSTVTFDGTGS
MO:ACRYGPFPGPPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQGYSTVTFDGTGS

HU:YGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCGTG
MO:YGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCGTG

HU:SQALLLRTPYSSDNLYQMTSQLECMTNQMNLGATLKGVAAGSSSSSVKWTE
MO:SQALLLRTPYSSDNLYQMTSQLECMTNQMNLGATLKGMAAGSSSSSVKWTE

HU:GQSNHSTGYESDNHTTPILCGAQYRIHTGVFRGIQDVRRVPGVAPTLVRSAS
MO:GQSNHGIGYESDNHTAPILCGAQYRIHTGVFRGIQDVRRVSGVAPTLVRSAS

HU:ETSEKRPFMCAYPGCNRYFKLSHLQMSRKHTGEKPYQCDFKDCERRFSR
MO:ETSEKRPFMCAYPGCNRYFKLSHLQMSRKHTGEKPYQCDFKDCERRFSR

HU:SDQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCR
MO:SDQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCR

HU:WPSCQKKFARSDELVRHENMQRNMTKLQAL
MO:WHSQKKFARSDELVRHENMQRNMTKLHVAL

FIG. 1



FIG. 2

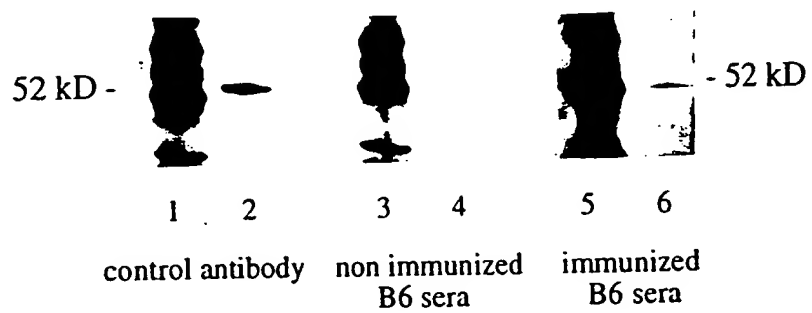


FIG. 3

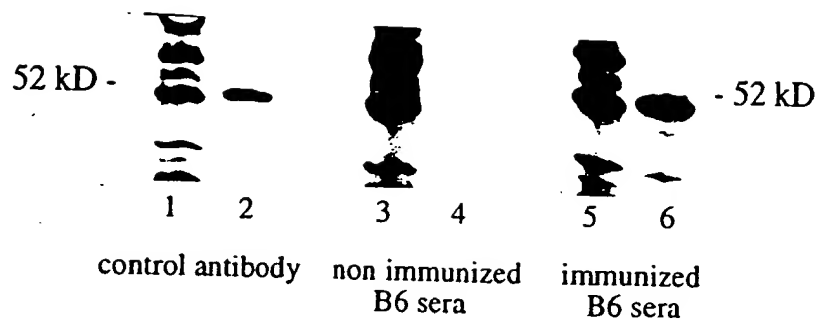


FIG. 4

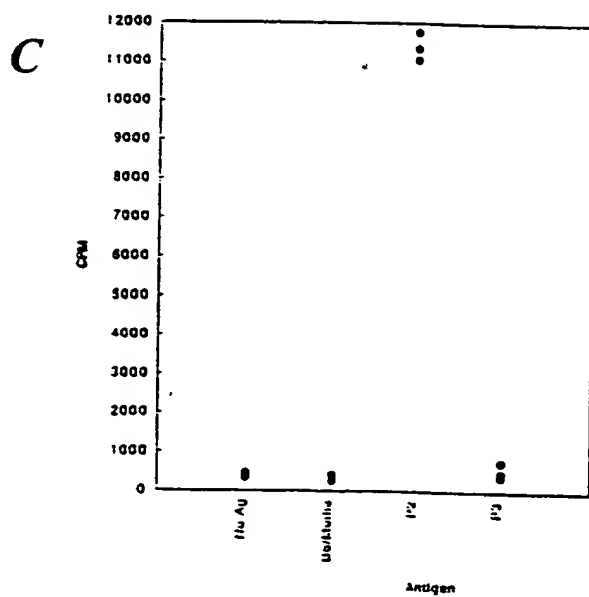
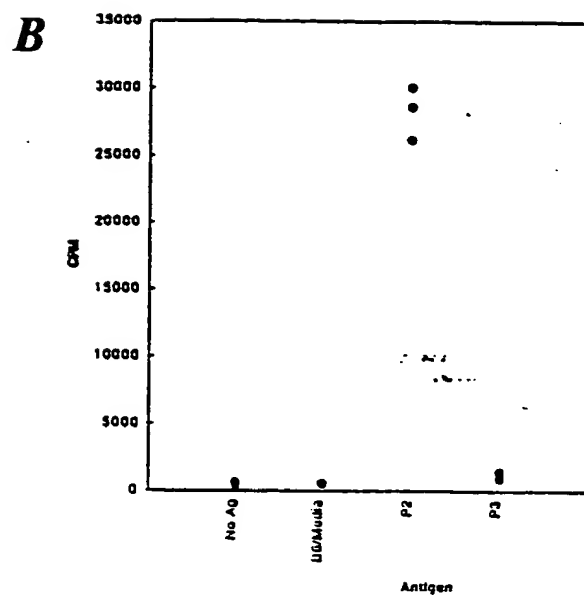
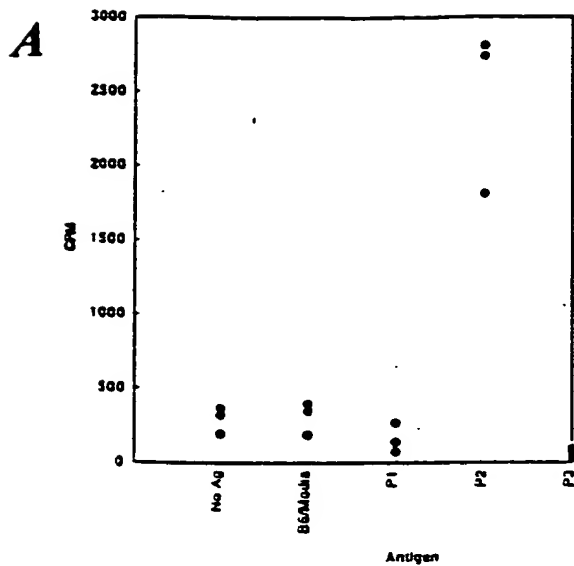
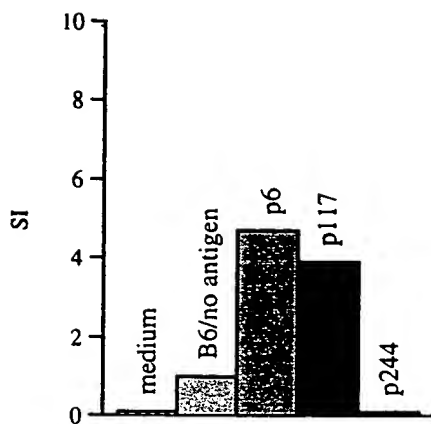
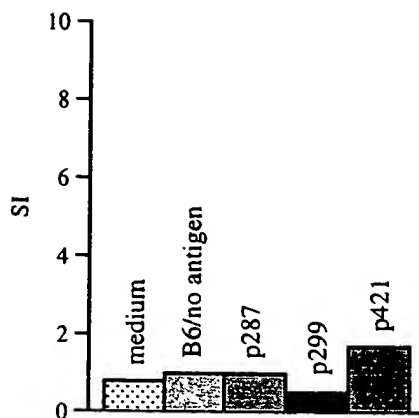
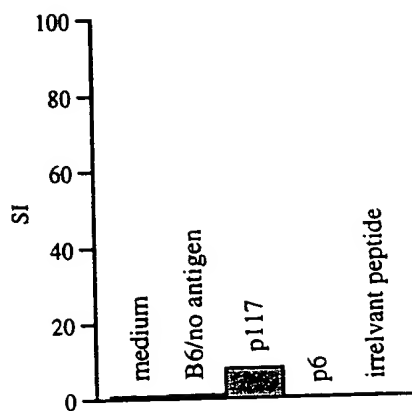


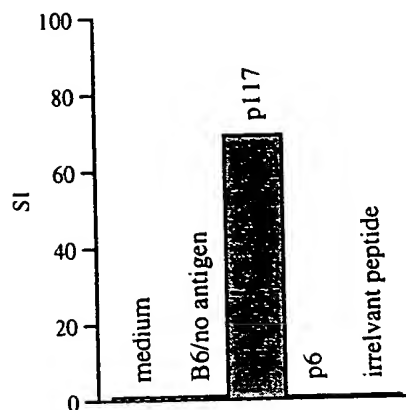
FIG. 5A-5C

A**Vaccine A stimulated line****B****Vaccine B stimulated line****FIG. 6A and 6B**

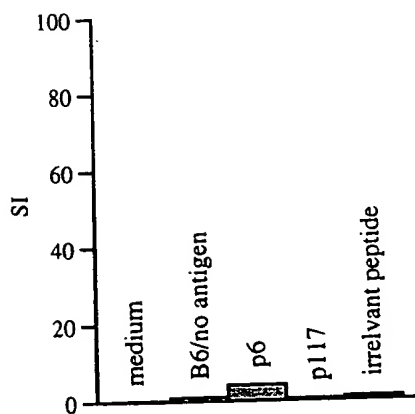
A p117-139 stimulated line



B p117-139 stimulated clone



C p6-22 stimulated line



D p6-22 stimulated clone

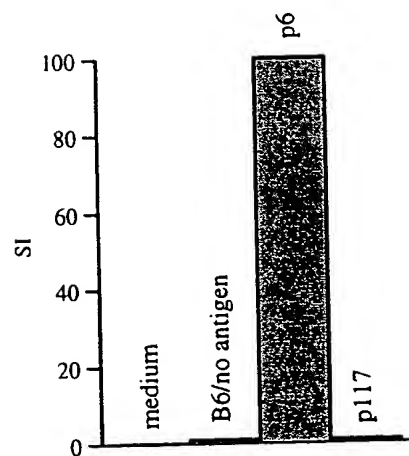
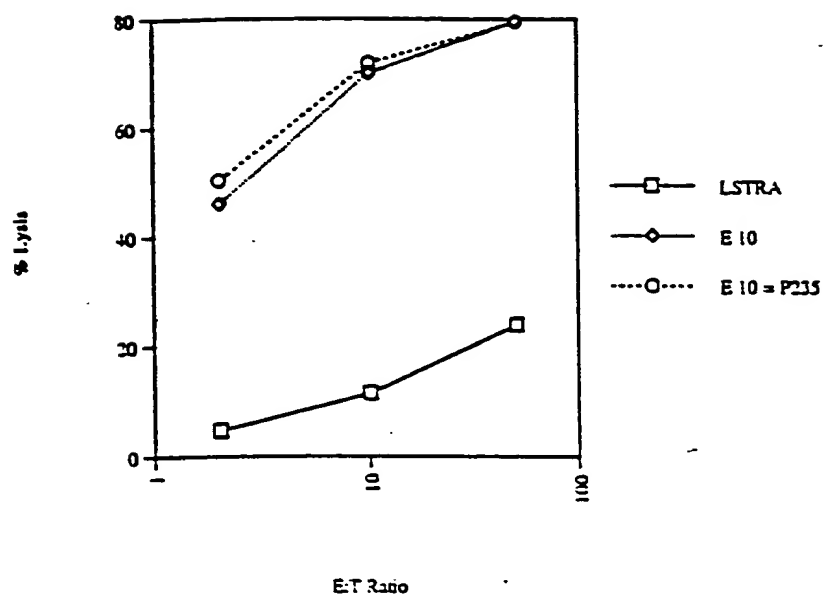
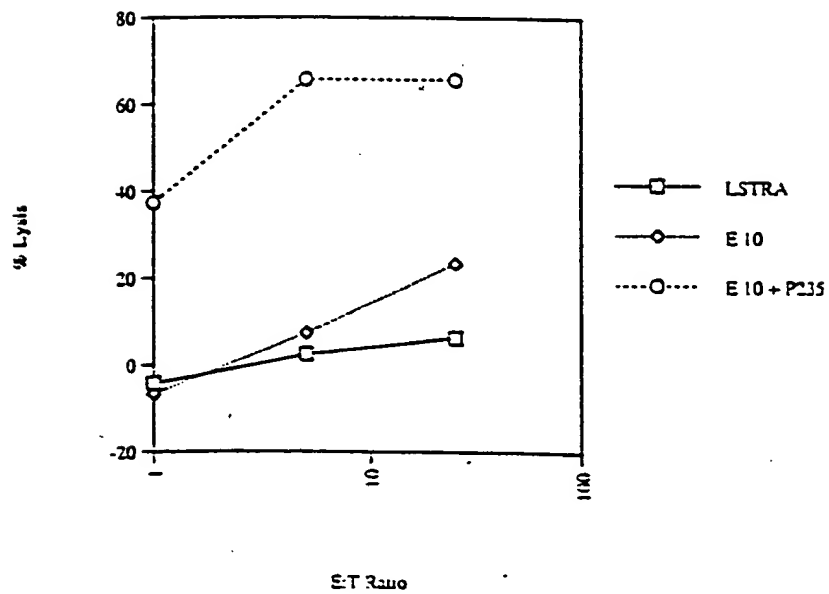


FIG. 7A-7D

FIG. 8A

A**B****FIG. 9A and 9B**

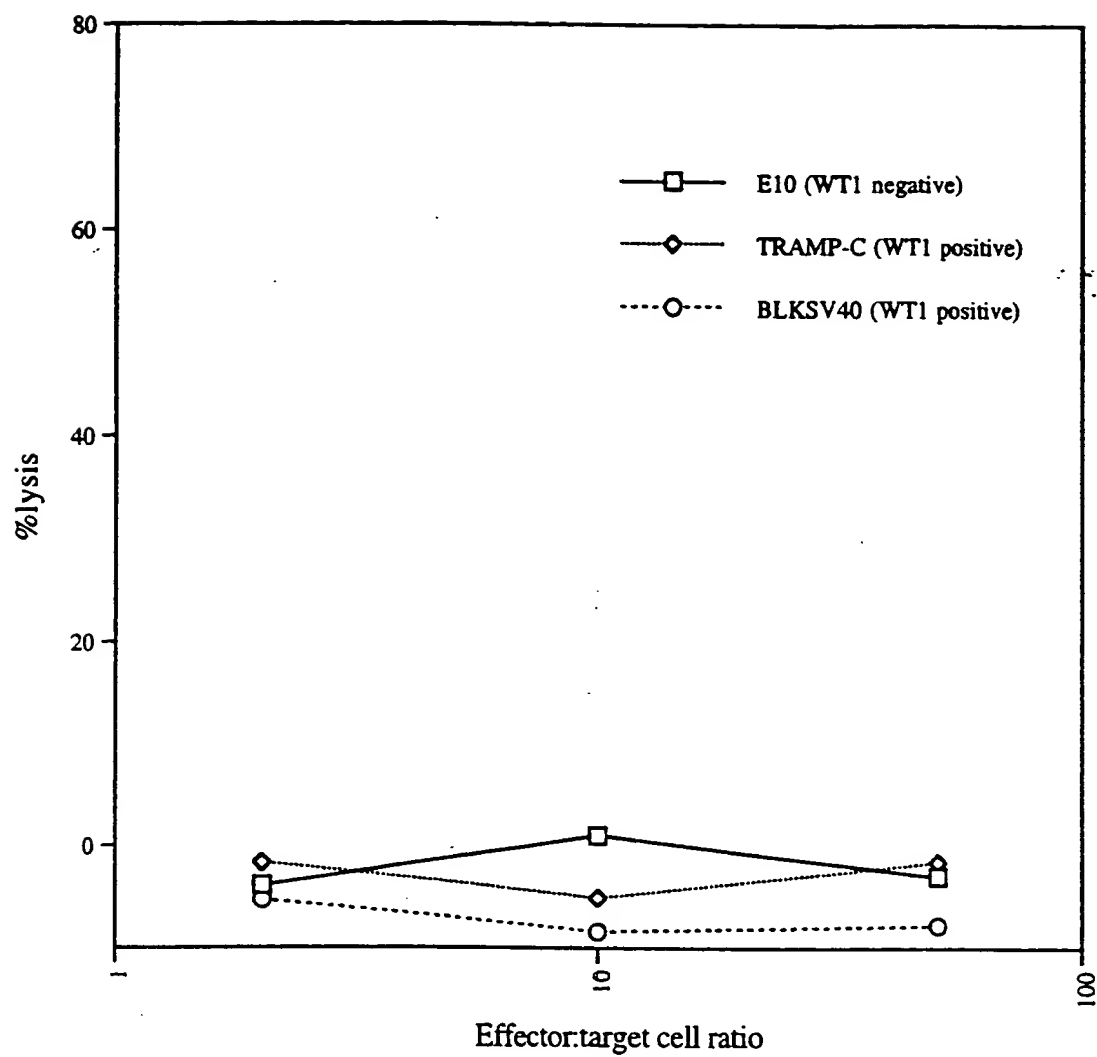


FIG. 10A

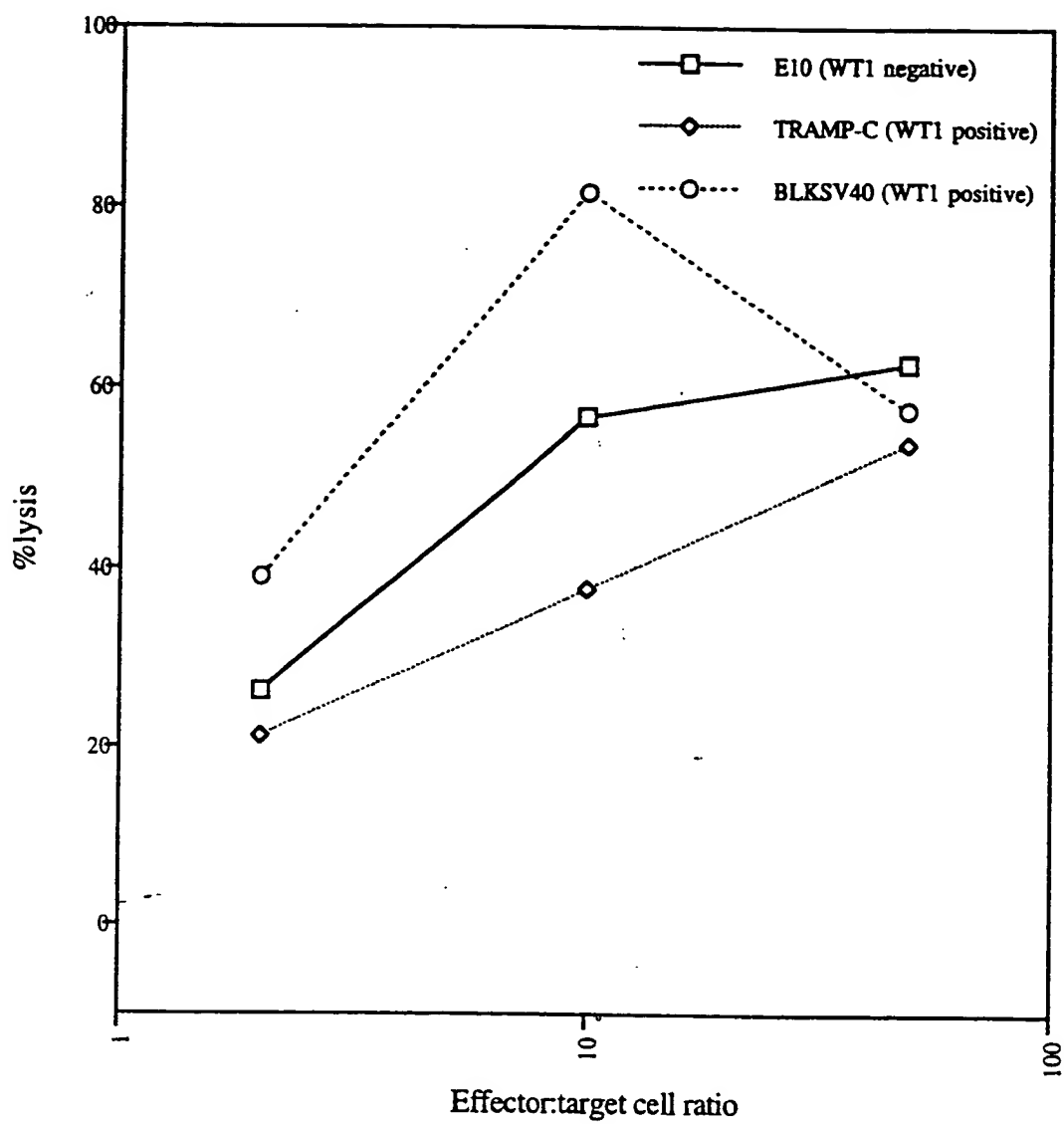


FIG. 10B

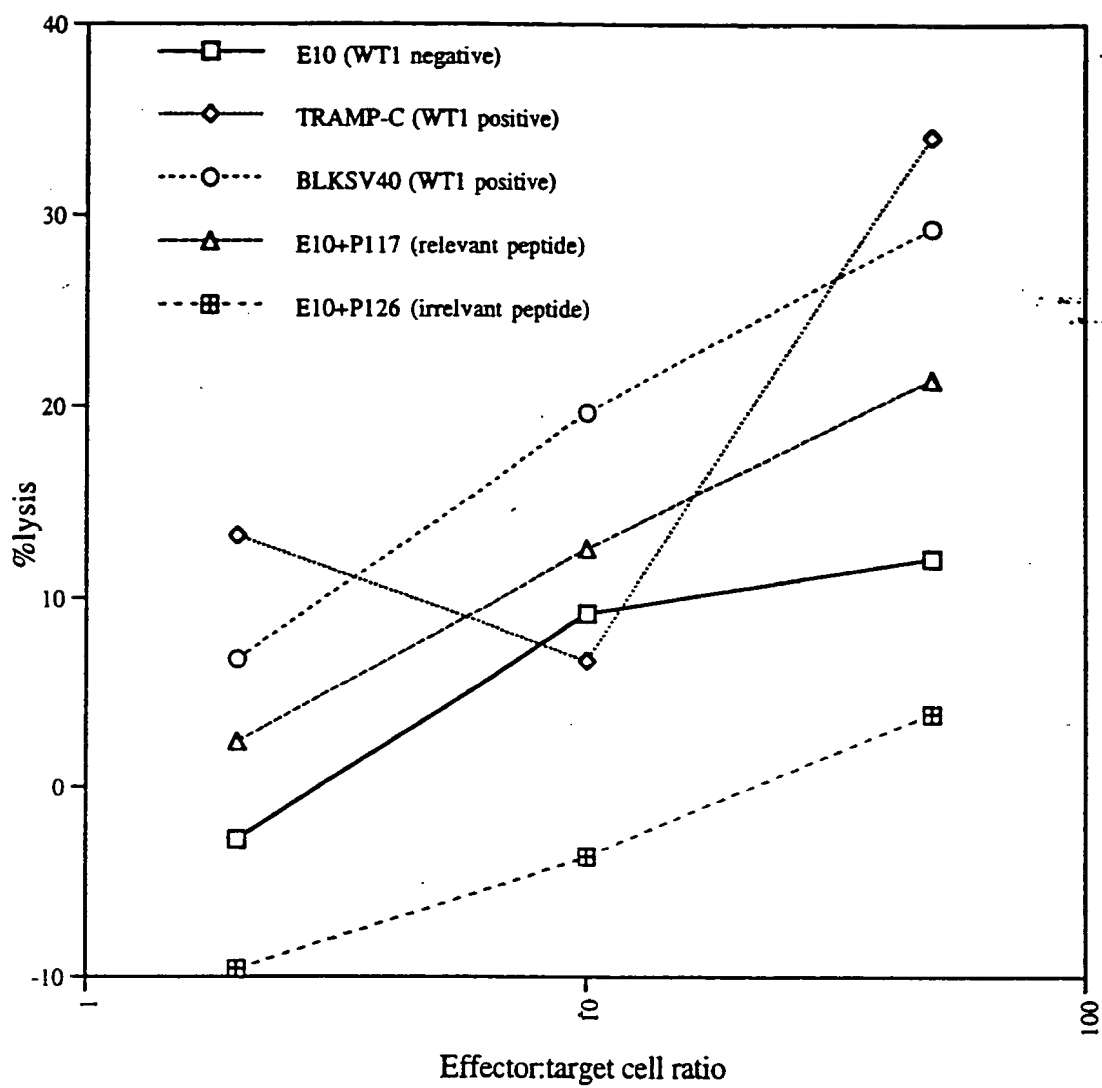


FIG. 10C

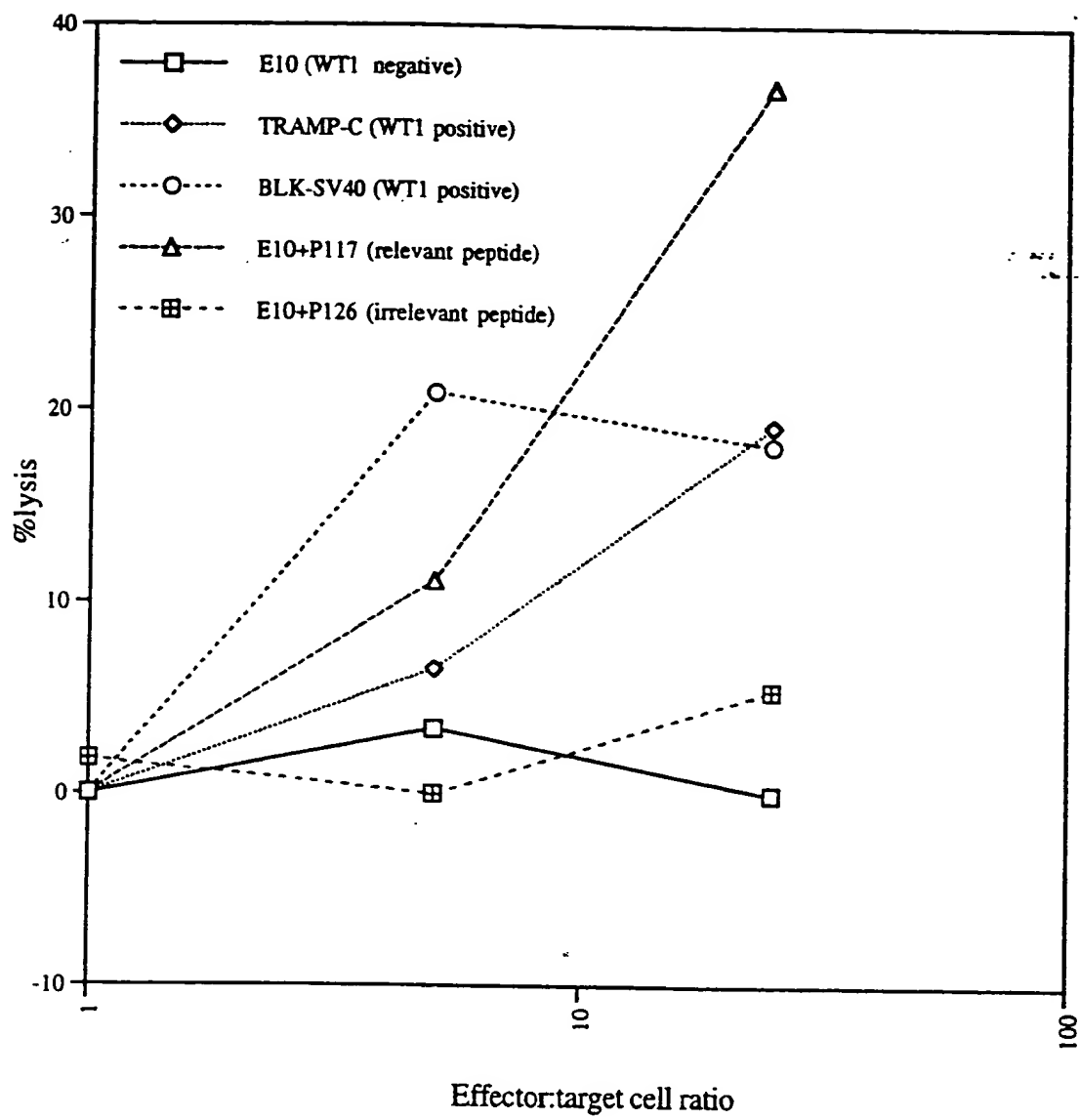


FIG. 10D

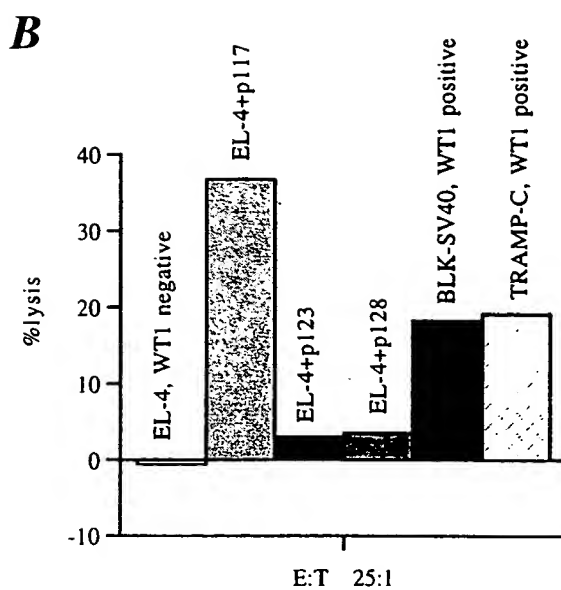
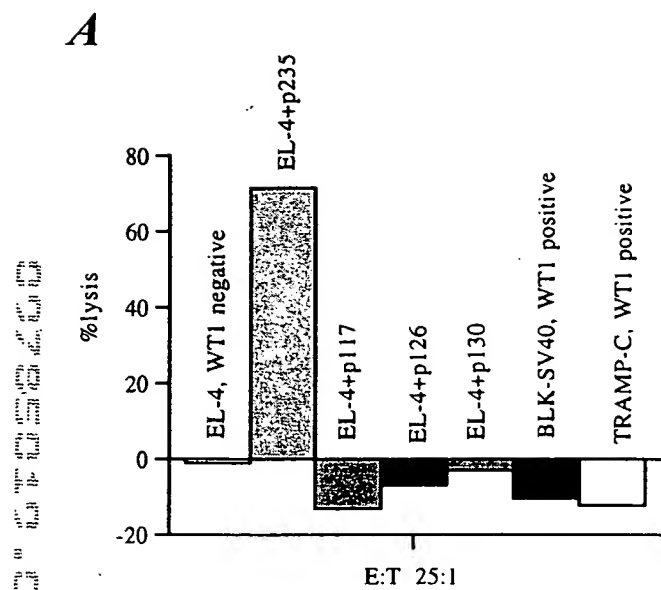


FIG. 11A and 11B

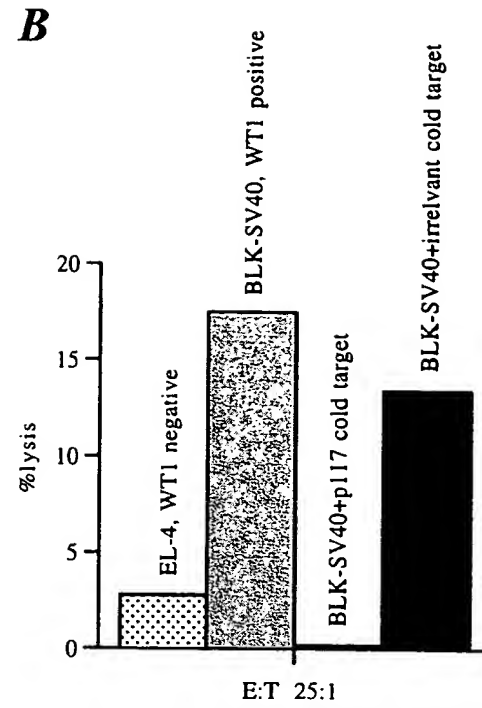
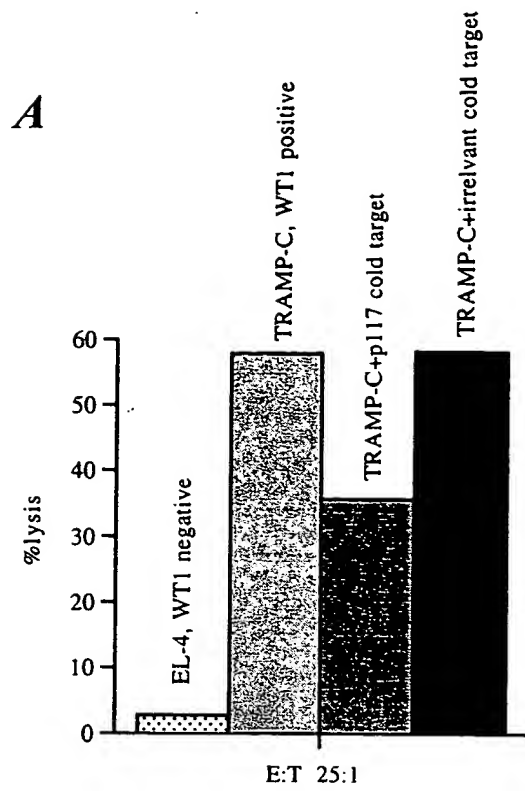
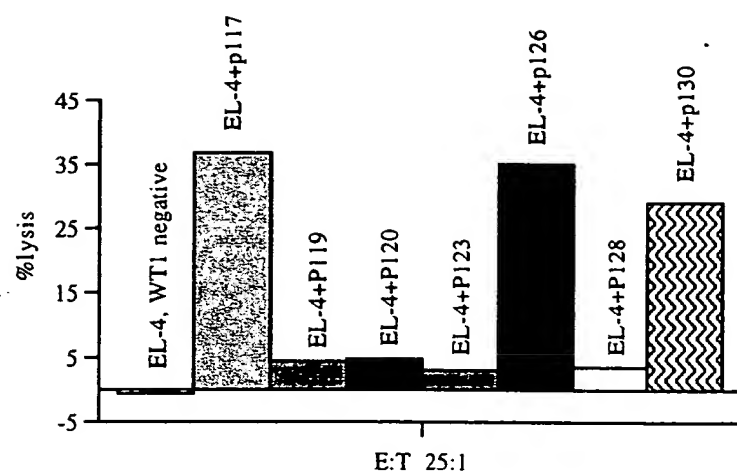
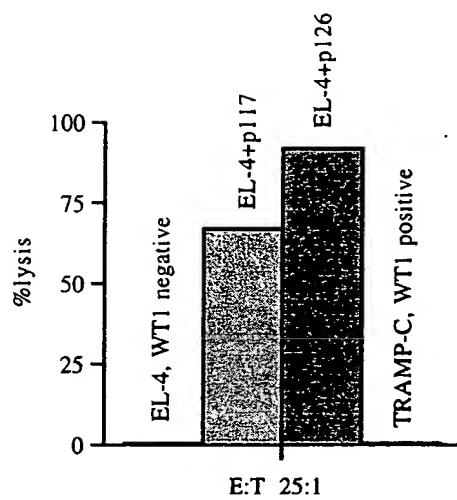
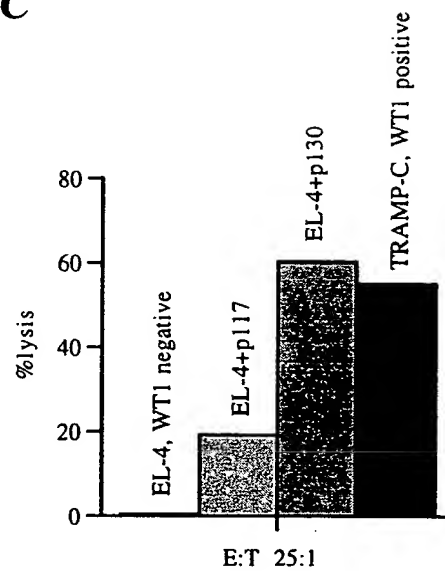


FIG. 12A and 12B

A**B****C****FIG. 13A-13C**

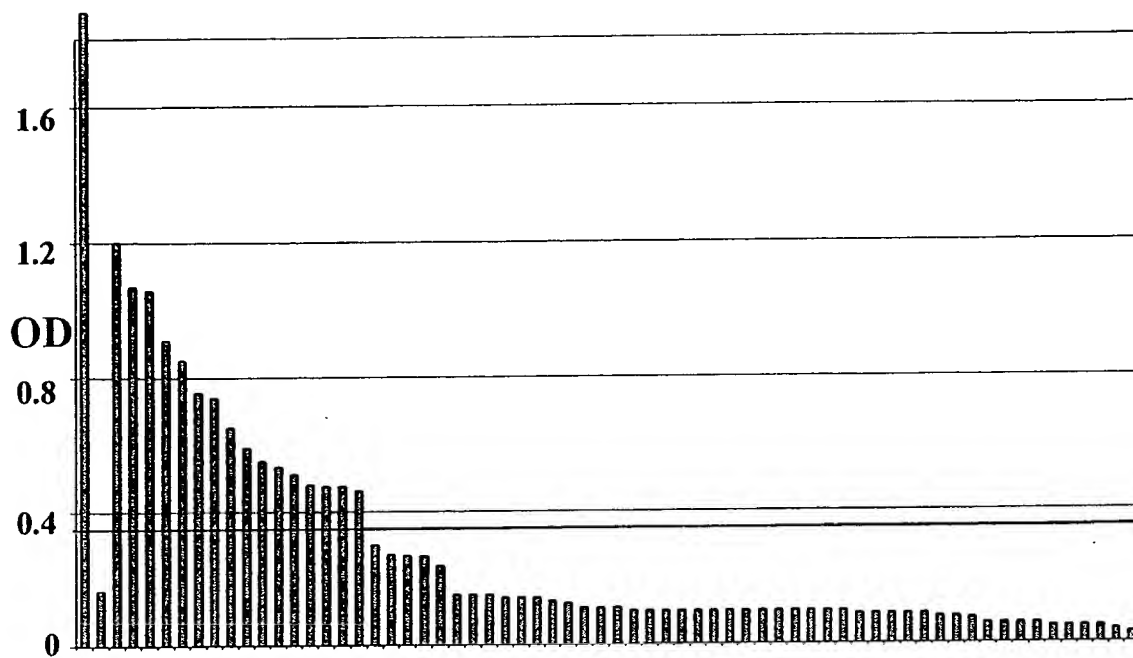


Fig. 14

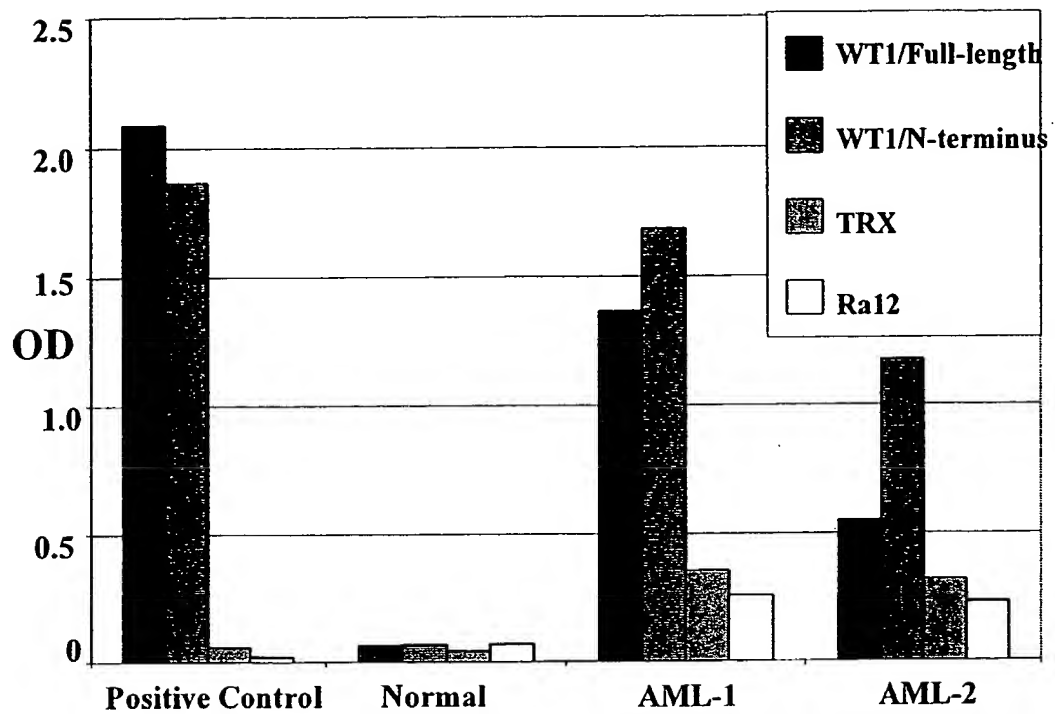


Fig. 15

Optical density (OD) is a measure of the turbidity of a liquid, often used to estimate the concentration of a suspension of cells or particles. It is measured by passing light through the sample and measuring the amount of light that is absorbed or scattered. The OD is typically measured at a wavelength of 600 nm.

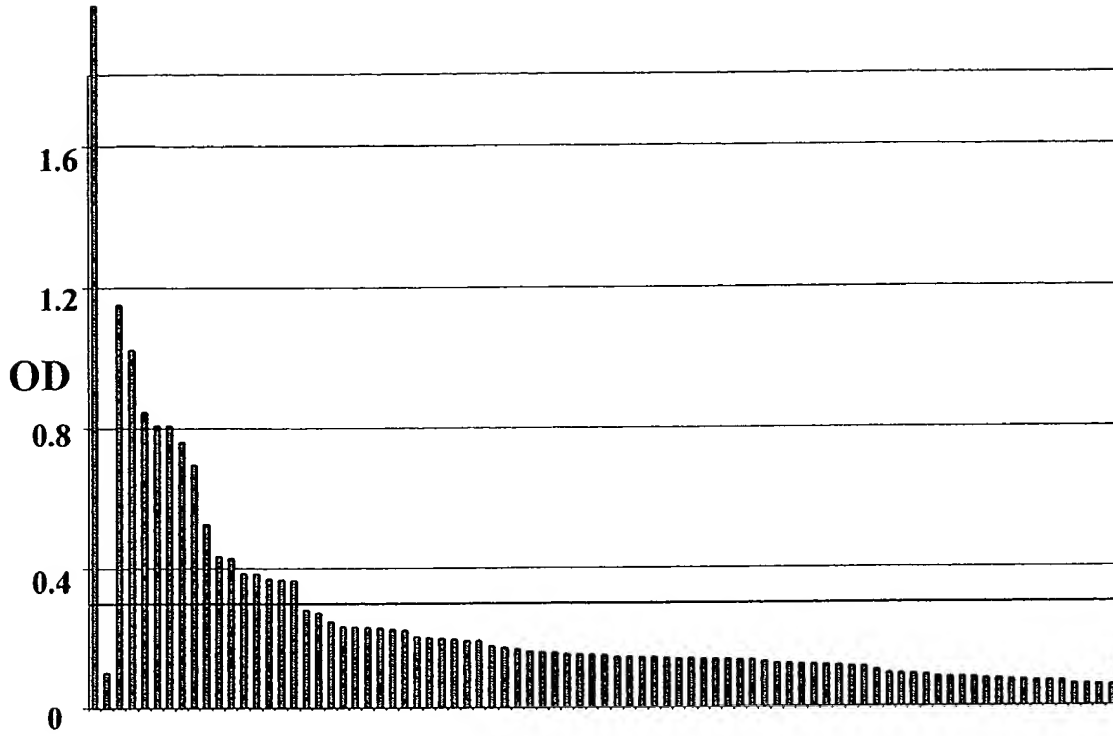


Fig. 16

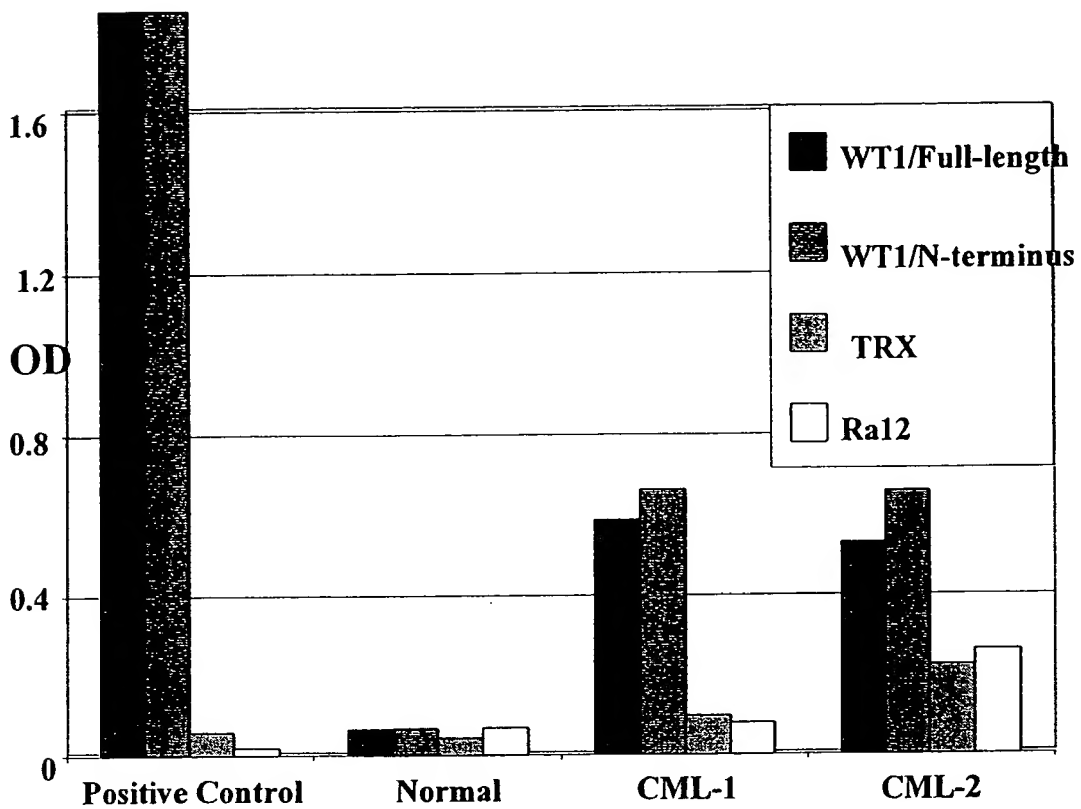


Fig. 17

TABLE 1: Characteristics of Recombinant WT1 Proteins Used for Serological Analysis

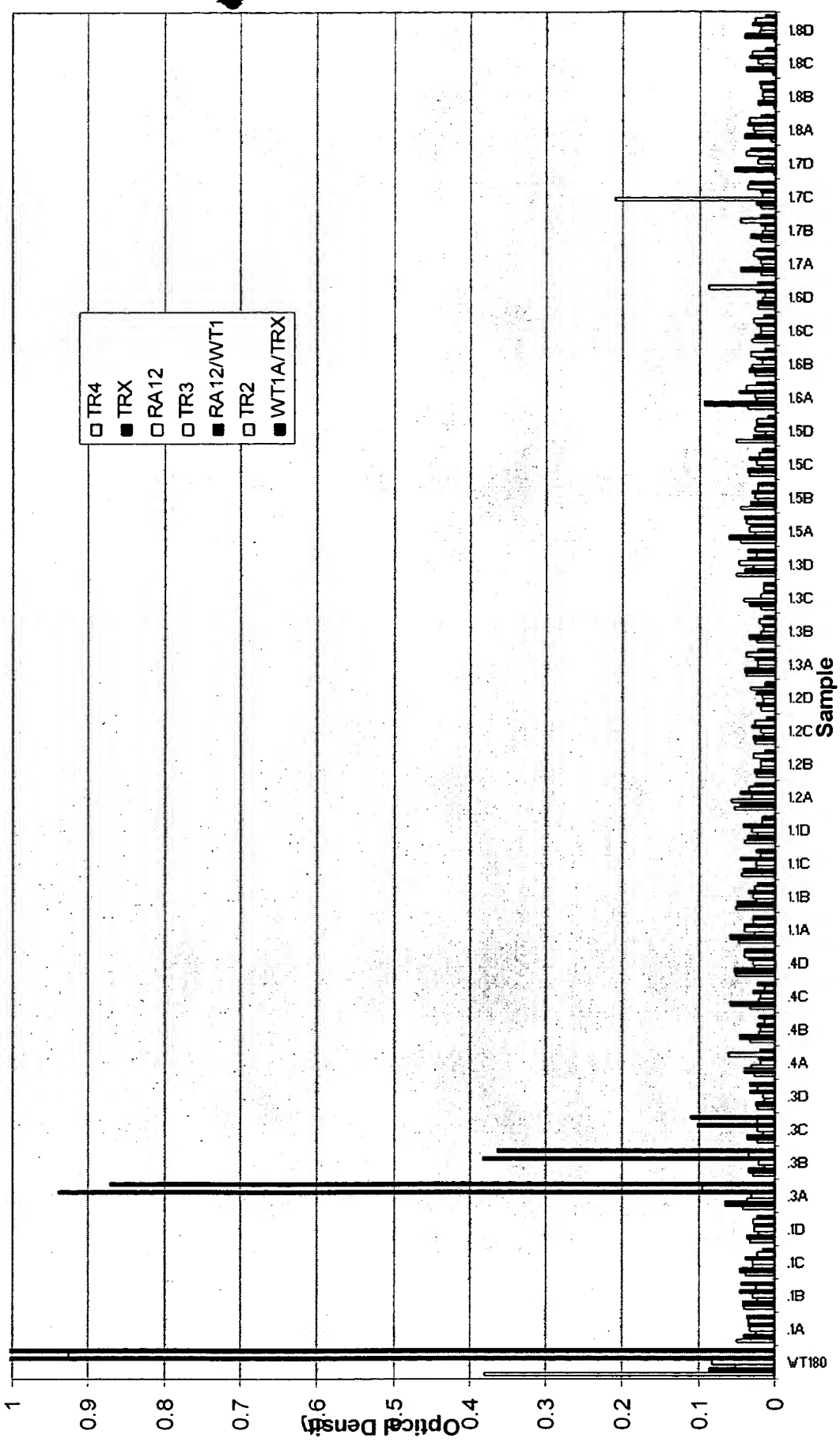
<u>Name</u>	<u>Recombinant Protein</u>	<u>WT1 Amino Acid Position</u>	<u>Molecular Weight</u>
WT1/full-length	Ra12-WT1 full length fusion protein	aa 1-449	85kDa
WT1/N-terminus	TRX-WT1 N-terminus fusion protein	aa 1-249	60kDa
WT1/C-terminus	WT1 C-terminus protein	aa 267-449	50kDa

Fig. 18

the data were analyzed using a one-way ANOVA test. The results are shown in Table 1.

CID000622 Figure 1a Ab responses in group 0 and 1 (controls)

Mouse Titration

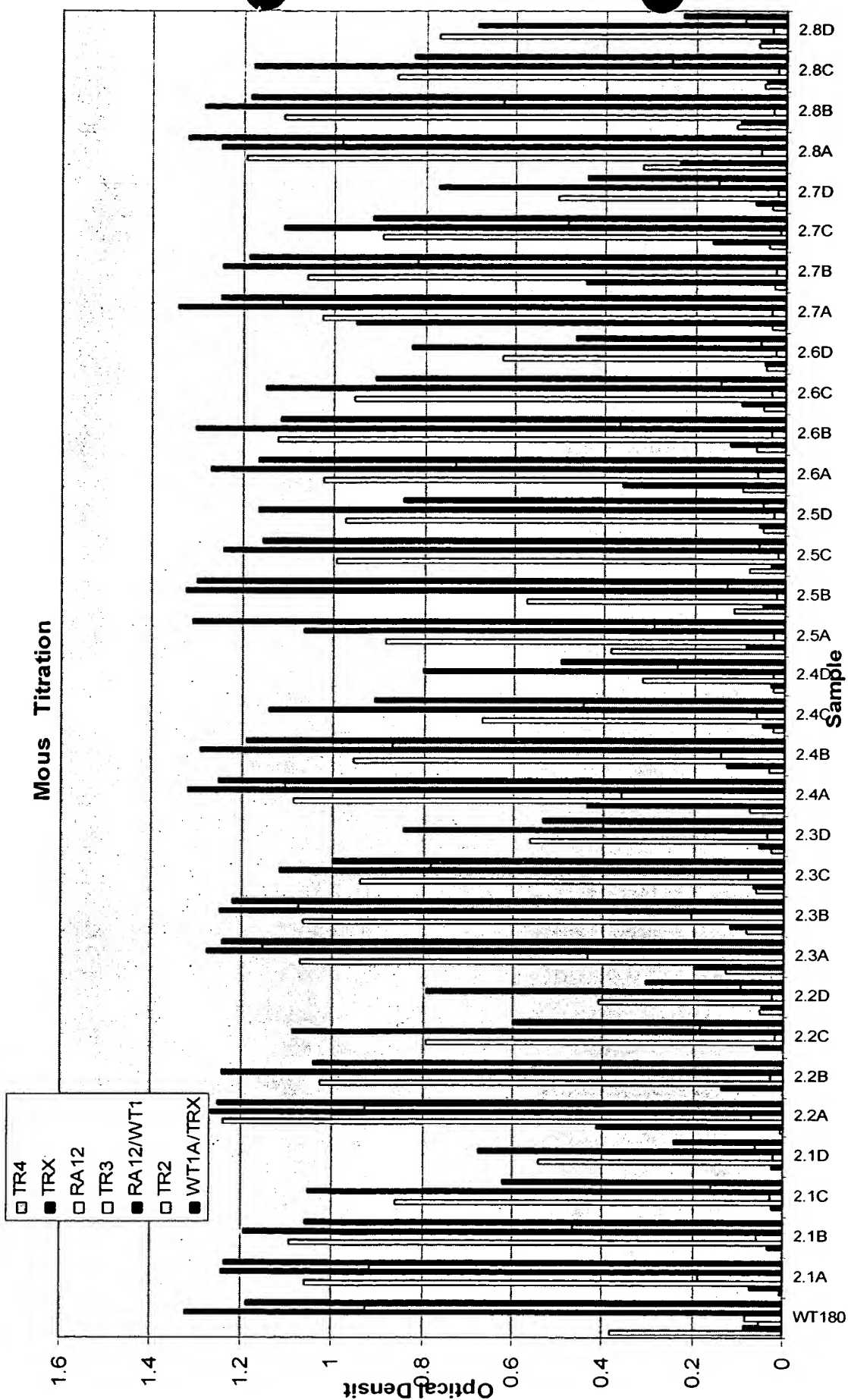


Control groups. A: 1:500 Dilution, B: 1:2000, C: 1:8000, D: 1:16000

FIG. 19 A

25ug Ral2/WT1+MPL-SE, A: 1:500 Dilution, B: 1:2000, C: 1:8000, D: 1:16000

CID000622 Figure 1b. Ab responses in group 2 (25ug Ral2/WT1)

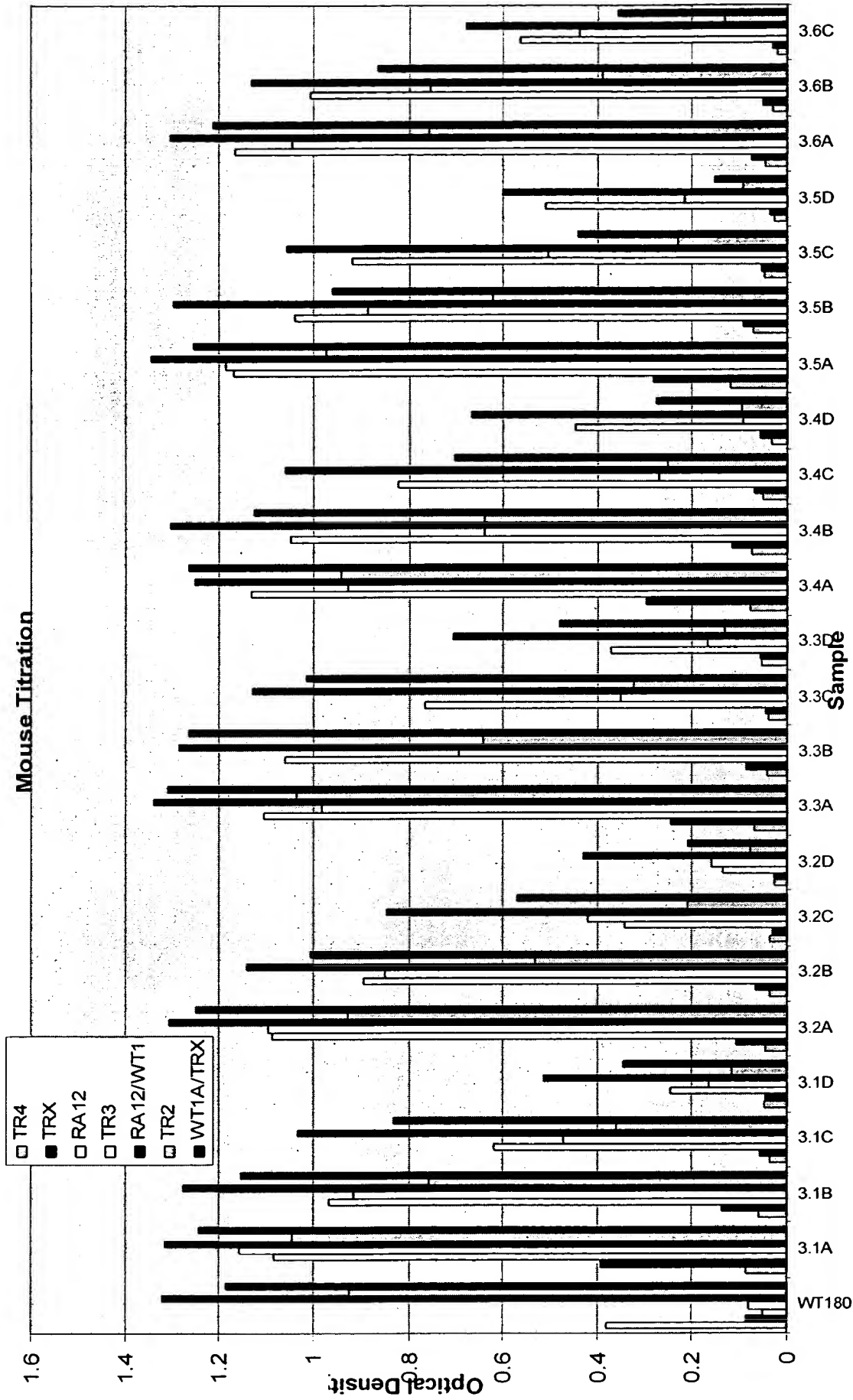


25ug Ral2/WT1+MPL-SE, A: 1:500 Dilution, B: 1:2000, C: 1:8000, D: 1:16000

FIG. 19B

Figure 1c. Ab responses in group 3 (100ug Ra12/WT1)

CID000622 Figure 1c. Ab responses in group 3 (100ug Ra12/WT1)

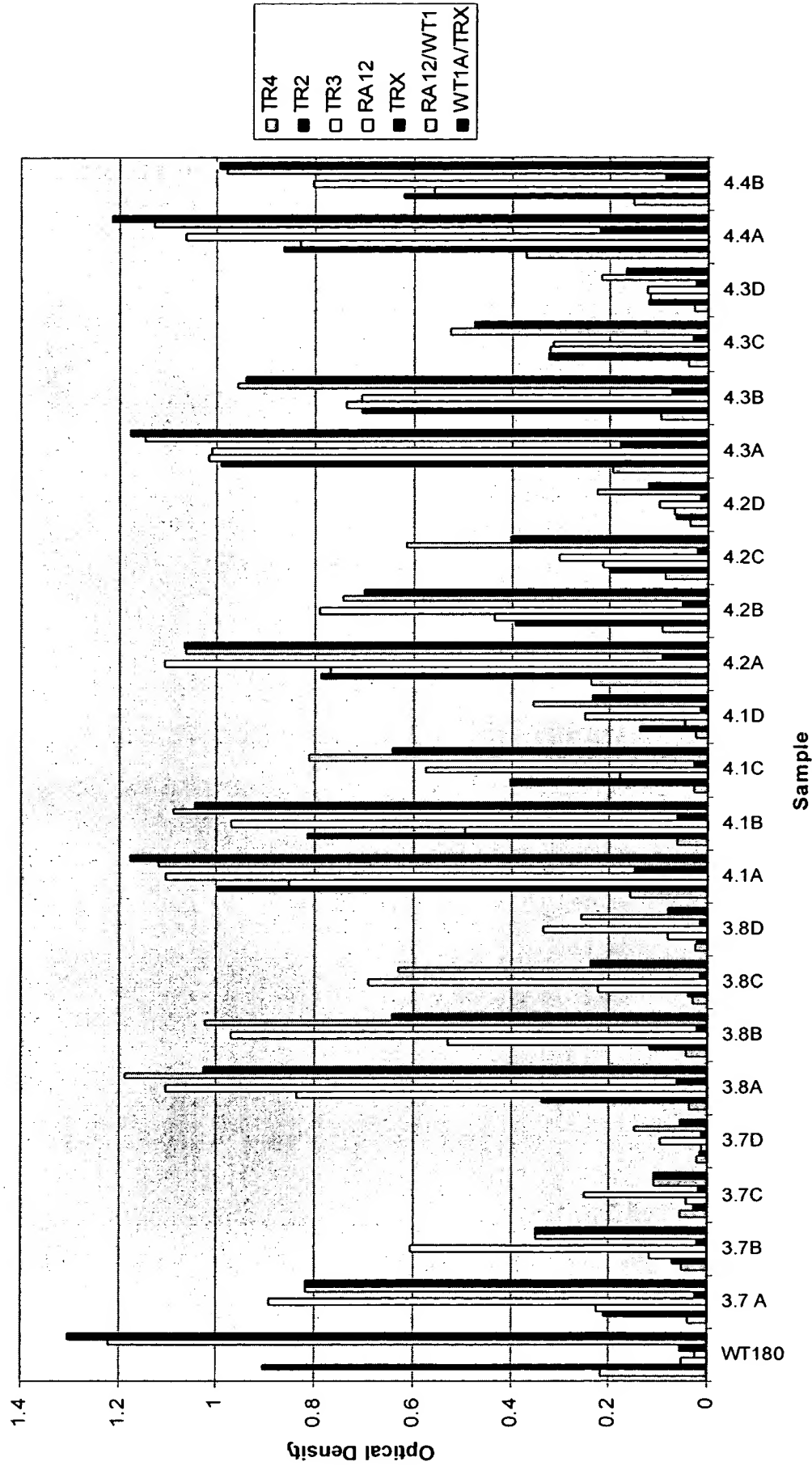


WT1. Dose Titration. Ab responses to WT1. 100ug Ra12-WT1+MPL-SE. A: 1:500 Dilution, B: 1:2000, C: 1:8000, D: 1:16000

FIG. 19C

CID000622 Figure 1d. Ab responses in groups 3 and 4 (1000ug Ra12/WT1)

Mouse Titration

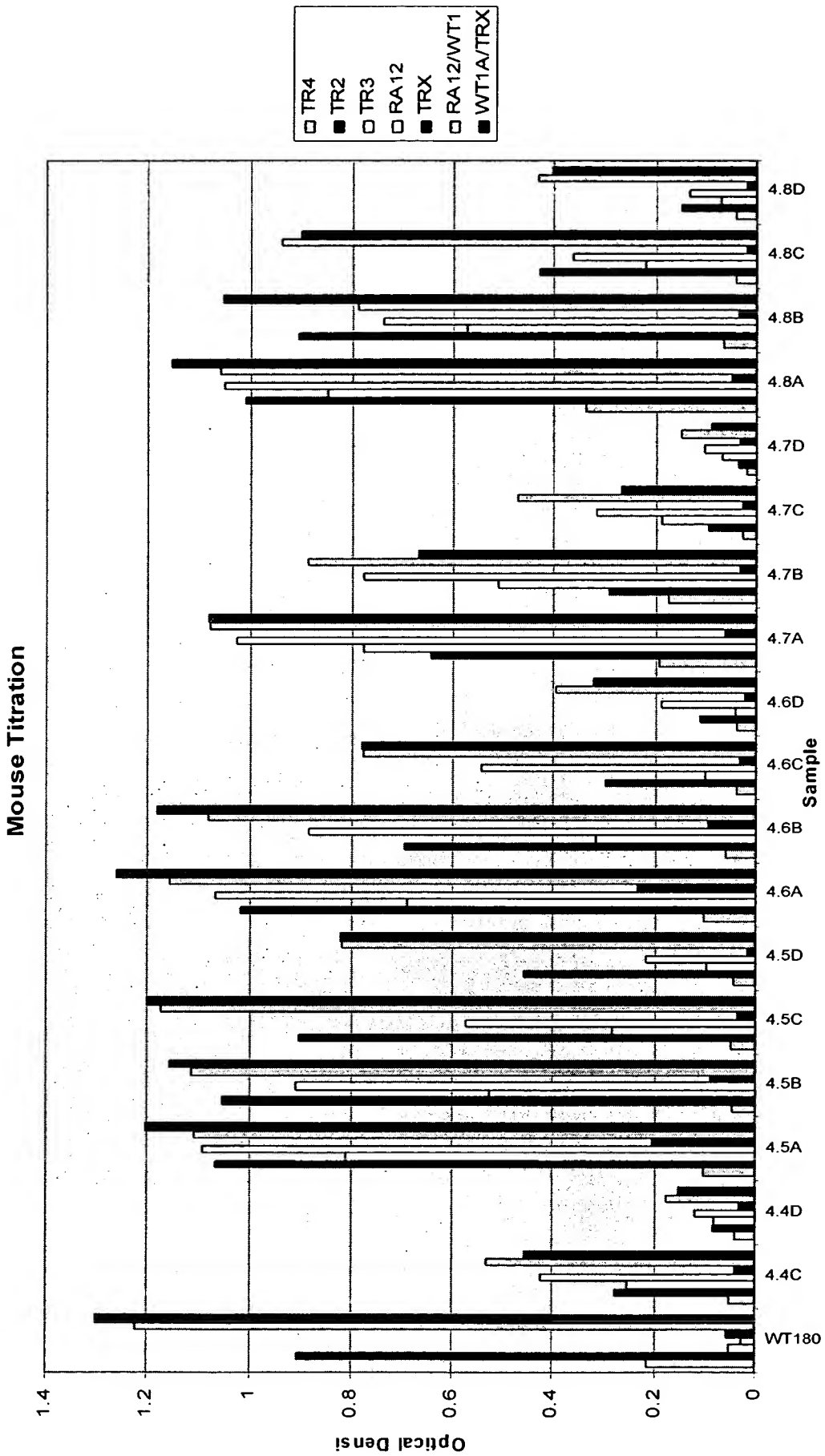


WT1. Dose Titration. Ab responses to WT1. 1000ug Ra12-WT1+MPL-SE. A: 1:500 Dilution, B: 1:2000, C: 1:8000, D: 1:16000

FIG. 19D

Figure 1e. Ab responses in group 4 (1000ug Ra12/WT1)

Figure 1e. Ab responses in group 4 (1000ug Ra12/WT1)



WT1. Dose Titration. Ab responses to WT1. 1000ug Ra12-WT1+MPL-SE. A: 1:500 Dilution, B: 1:2000, C: 1:8000, D: 1:16000

FIG. 19E

Figure 2a. Proliferative T-cell responses in WT1 protein immunized mice.
(Ra12WT1 dose titration, 3x in vivo, after 2IVS)

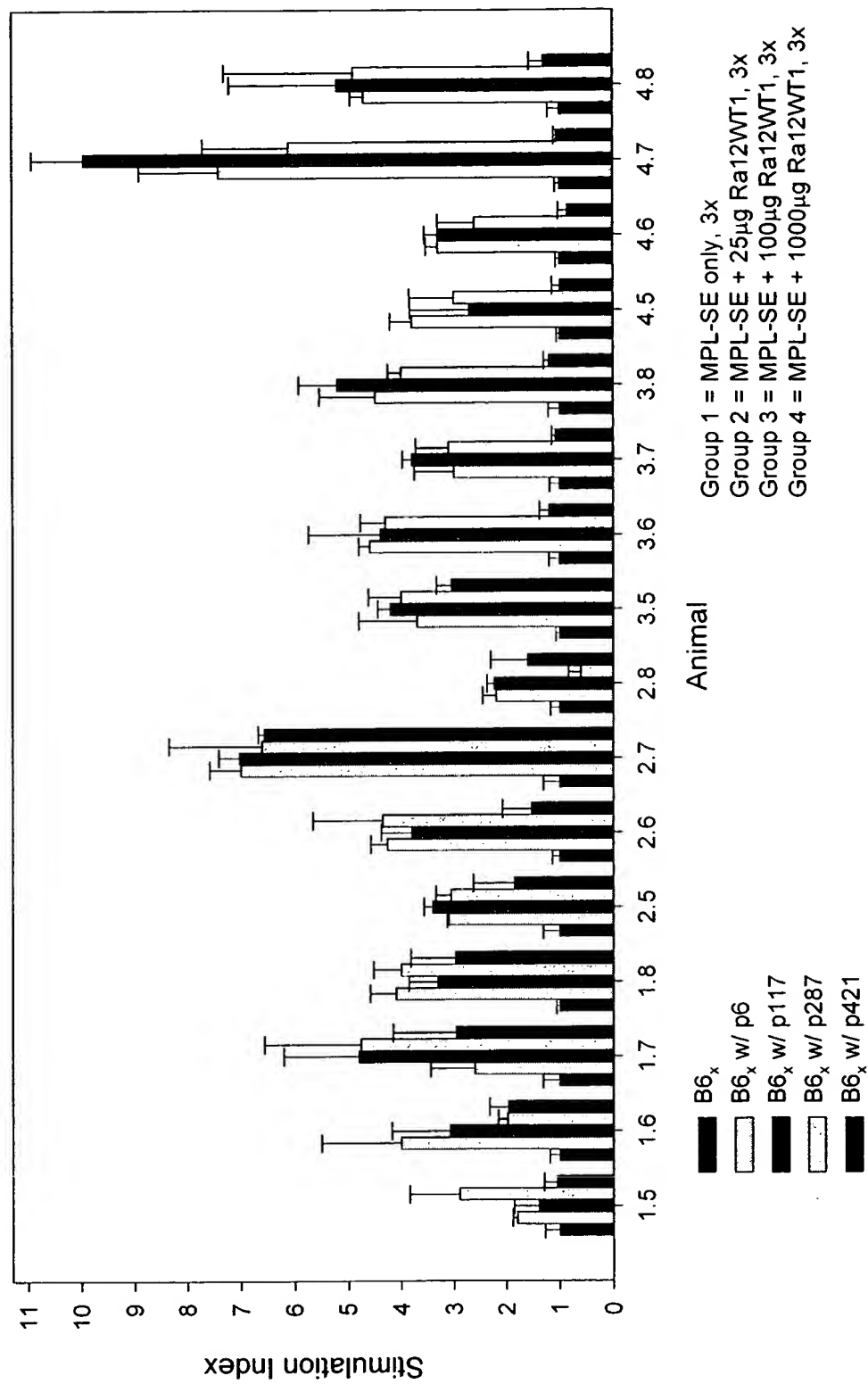


FIG. 20 A

Figure 2b. Proliferative T-cell responses in WT1 protein immunized mice (Ra12WT1 dose titration, 6x in vivo, after 2IVS)

Figure 2b. Proliferative T-cell responses in WT1 protein immunized mice (Ra12WT1 dose titration, 6x in vivo, after 2IVS)

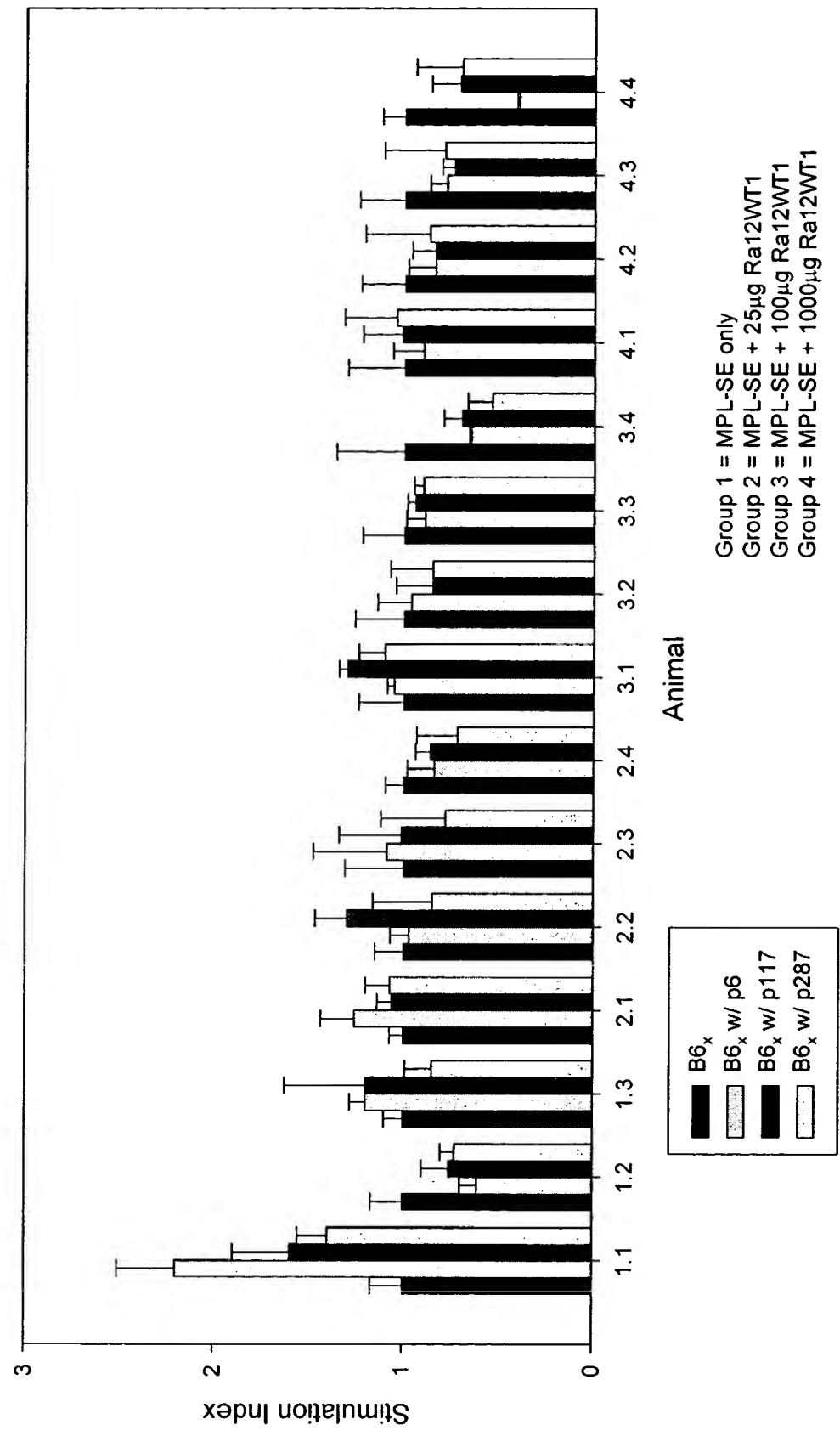
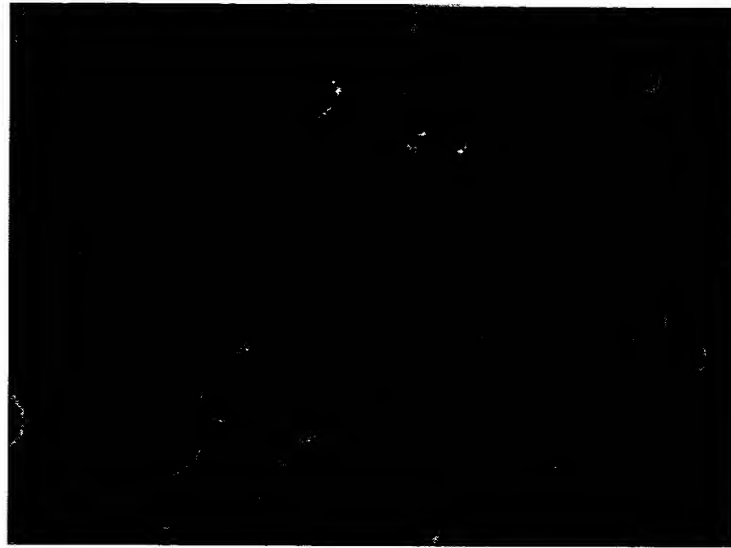


FIG. 20B

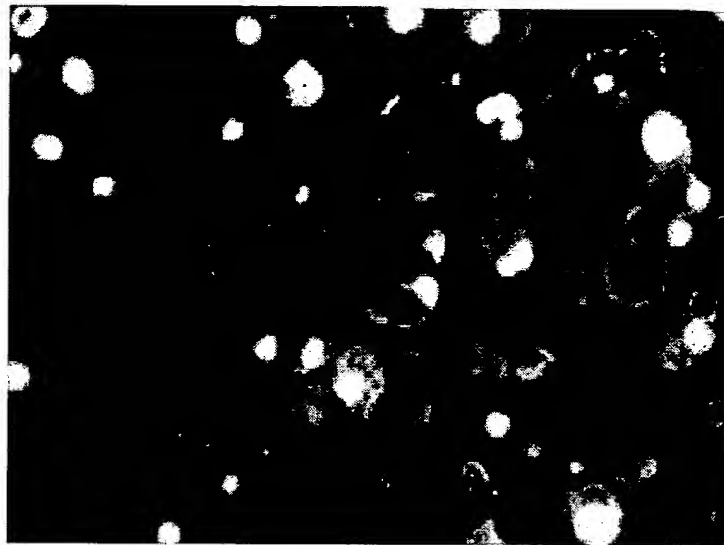
FIG. 21

**Figure 1. WT1 expression in human DC following
adeno WT1 and Vaccinia WT1 infection**

**Control
(uninfected
human DC**



**Adeno WT1
infected human
DC**



**Vaccinia WT1
infected human
DC**

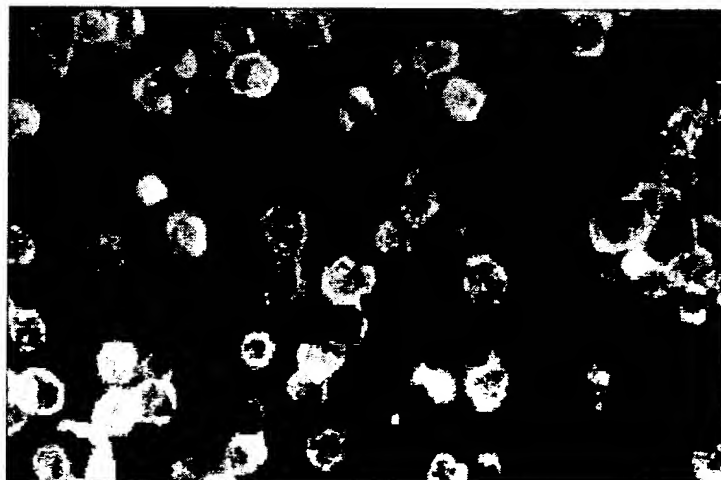


FIG. 22

Figure 2. WT1 can be expressed reproducibly in human DC following adeno WT1 infection and is not induced by a control Adeno infection

**Control
(Adeno EGFP
infected
human DC)**



**Adeno WT1
infected human
DC**

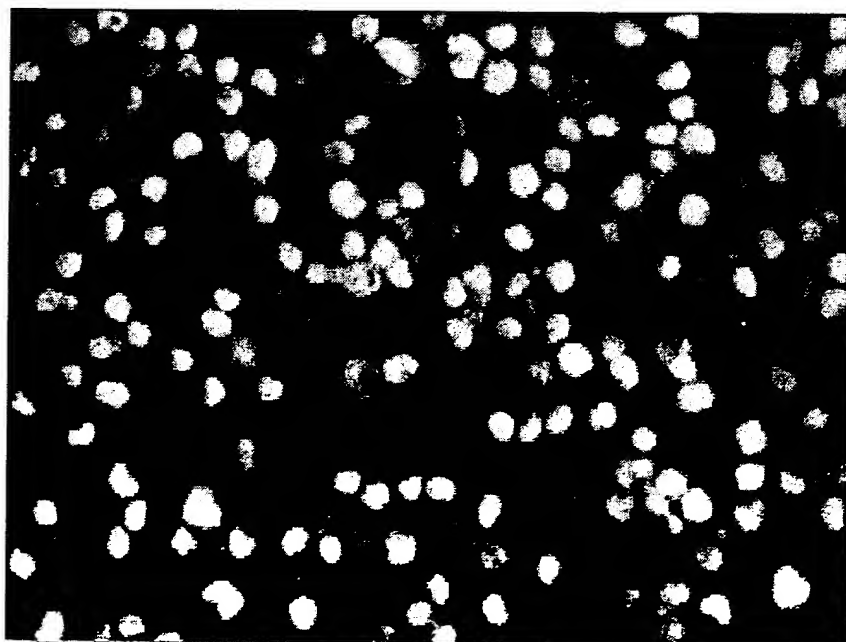


FIG. 23

